

WHAT IS CLAIMED IS:

1 1. A method permitting compact ways to update relationships between
2 entities in an audiovideo sequence, or serial set of sequences, the method comprising:
3 writing a description between the entities, the description containing relations;
4 determining the relations that may be represented by parameters, each
5 parameter having a numerical value; and
6 obtaining from the user, one or more of the following:
7 (a) the numerical value for the parameter;
8 (b) a description of the parameter containing the numerical value; and
9 (c) a description capable of setting the parameter dynamically.

1 2. The method of claim 1 further comprising
2 combining a State DS with an additional field in a GraphType DS.

1 3. The method of claim 2 wherein combining allows a set of parameters
2 to determine the strength of an edge, seen as a fuzzy member of the relation defined by edges
3 on a set of vertices.

1 4. The method of claim 1 further comprising
2 running, by a user, a query based on membership in the relation